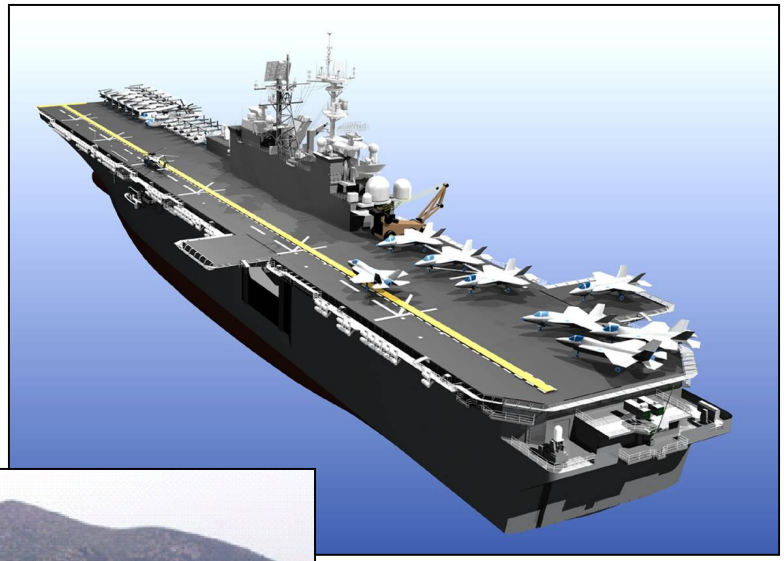
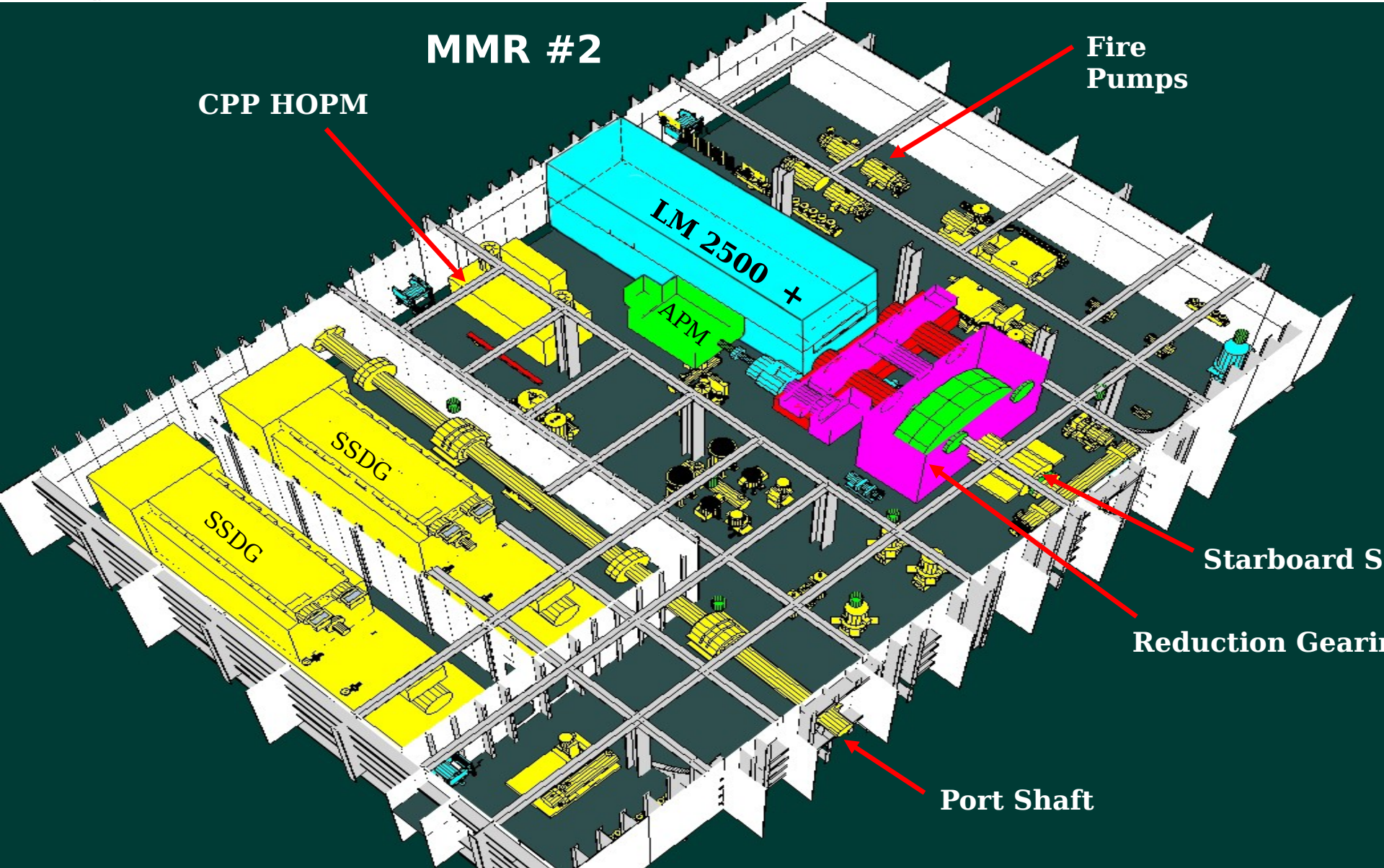
AMPHIBIOUS WARFARE PROGRAM (PMS377)

Providing timely and cost-effective solutions to Amphibious Ship and Air-Cushion Assault Craft requirements since 1966

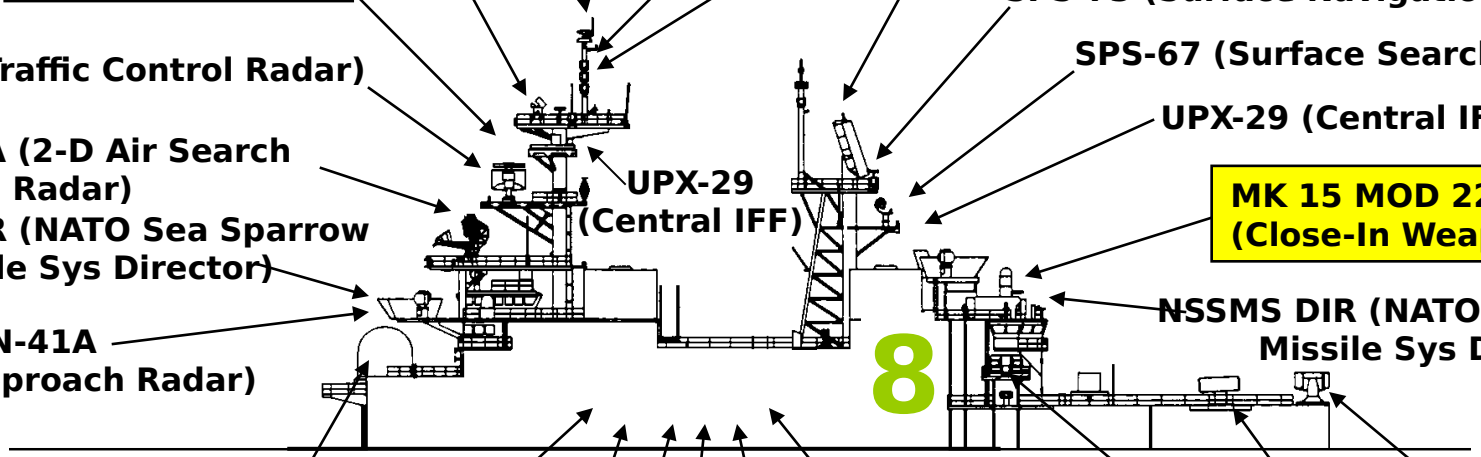


CAPT RICHARD HOOPER, USN
PROGRAM MANAGER, PMS377

LHD 8 … BREAKING AWAY FROM STEAM



SELF DEFENSE AND C4I SUITE



AN/URN-25 (Tactical Air Navigation Set)

COMBAT DF (Combat Direction Finding)

SPQ-9B Surface Search (ASMD) Radar

AN/USG-2 (CETPS)

AN/APX-118 (IFF)

SPS-48E (3-D Air Search Radar)

SPS-73 (Surface Navigation Radar)

N-43C (Air Traffic Control Radar)

SPS-67 (Surface Search Radar)

UPX-29 (Central IFF)

SPS-49A (2-D Air Search Radar)

UPX-29 (Central IFF)

MK 15 MOD 22 CIWS (Close-In Weapons Sys)

NSSMS DIR (NATO Sea Sparrow Missile Sys Director)

NSSMS DIR (NATO Sea Sparrow Missile Sys Director)

SPN-41A (Aircraft Approach Radar)

SPN-35C (ATC Precision Approach Radar)

RAM w/HAS Mode

C4ISR Equipment Suite
- TCIP Driven
- Latest Technology Insertion
- Pre-Tested and Assembled at TIF, SPAWAR, Charleston

SSDS MK2 MOD 3A

NSSMS Launcher

AN/SSN-6H(V)4 (NAVSSI)

AN/USQ-46C(V)7 (BFTT)

SLQ-32 Electronic Countermeasure Set

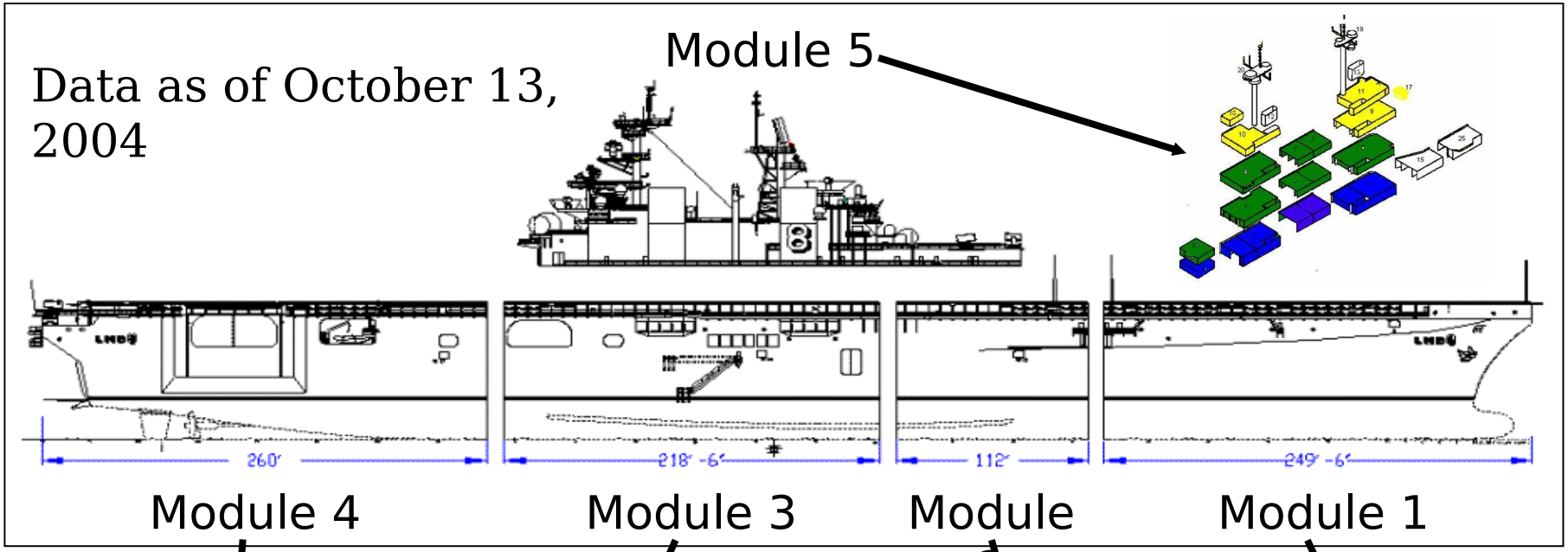
AN/TPX-42A(V)14 (AATC-DAIR)

MK 57 MOD 10 (NSSMS)

New on LHD 8

LHD 8 Units Under Construction

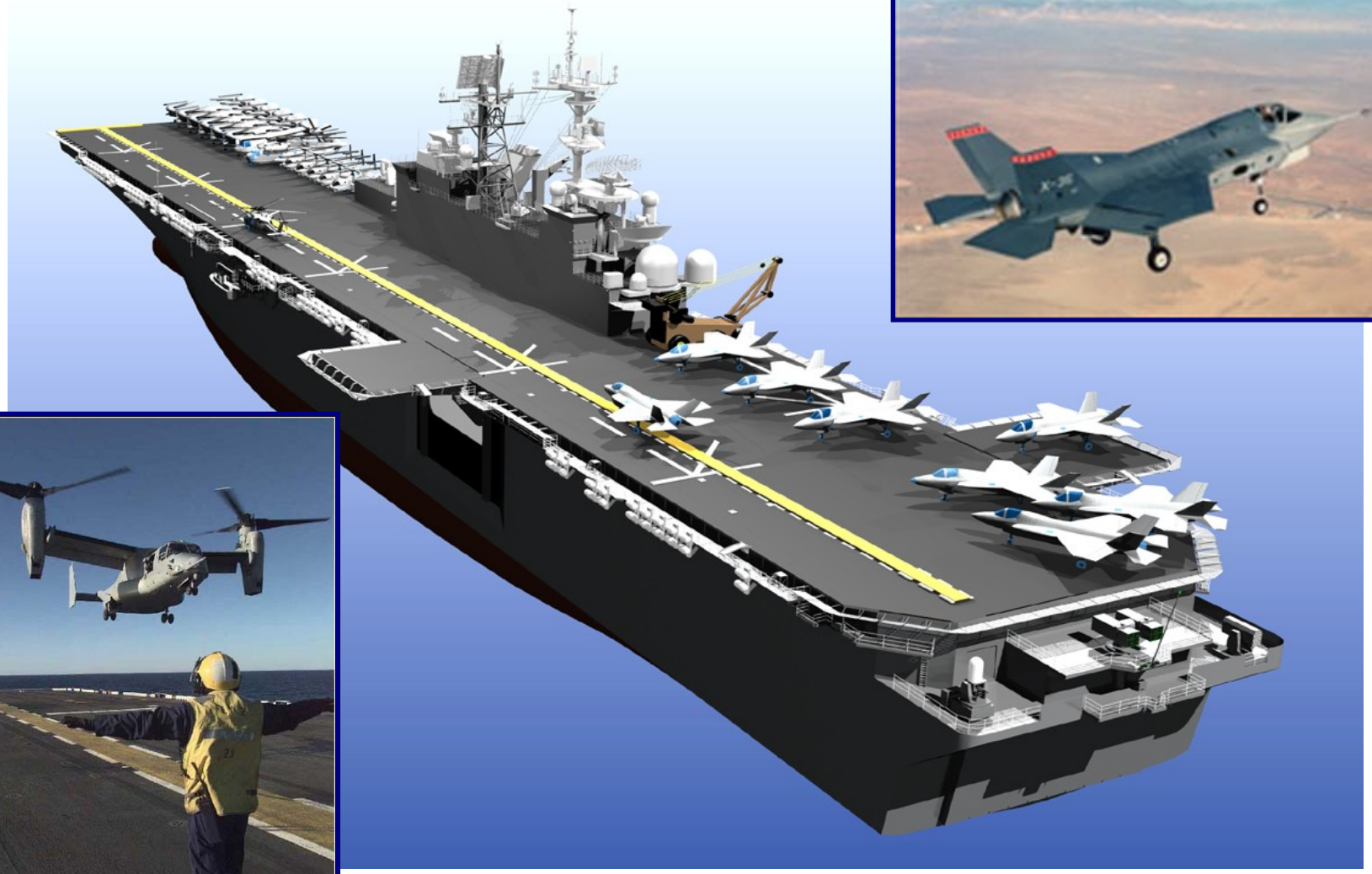
Data as of October 13, 2004



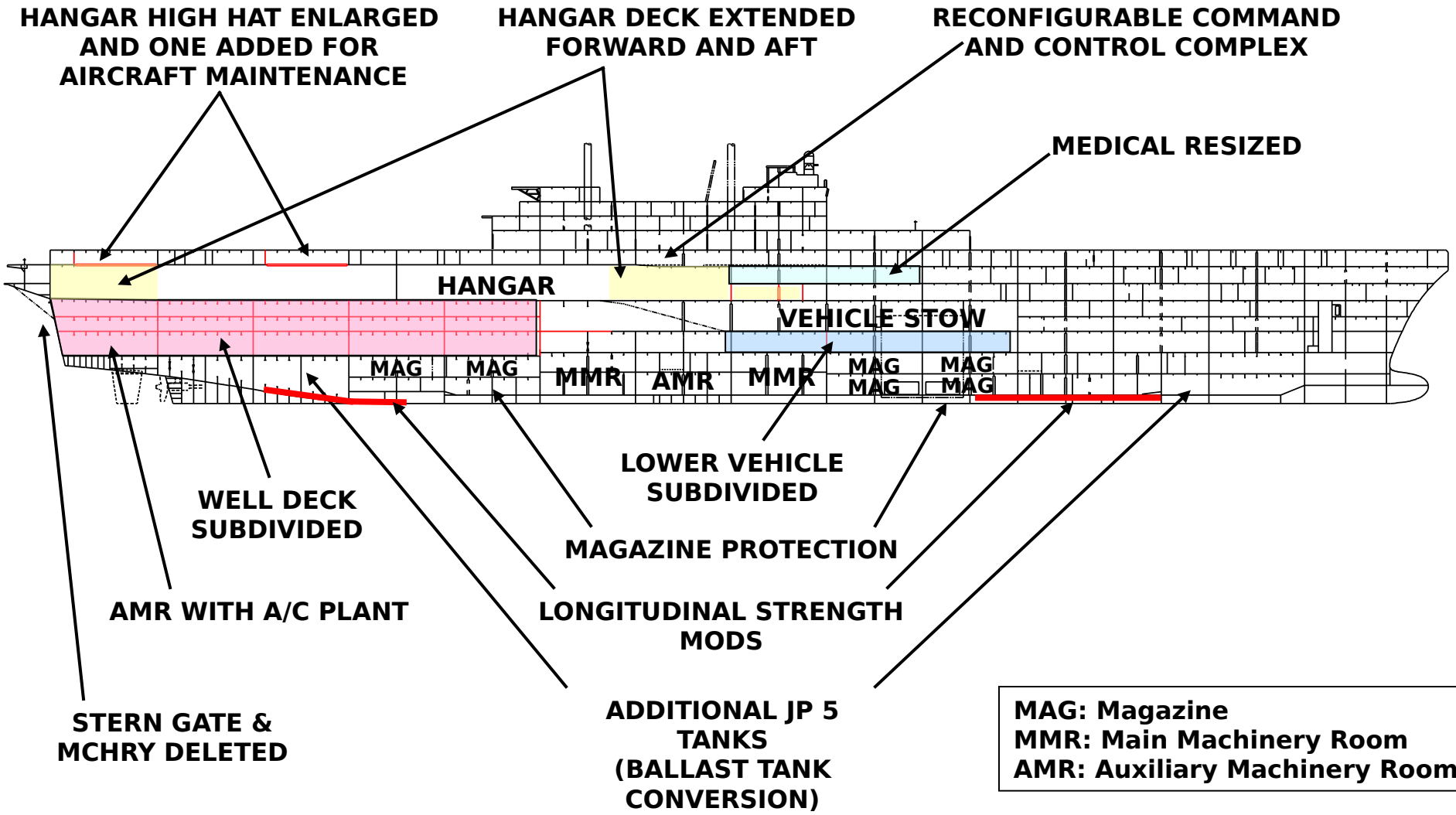
Units highlighted in yellow have been started, green have pre-outfit started, blue erected

LHD8 CONSTRUCTION PROGRESS

LHA(R) FLIGHT 0 “AVIATION VARIANT”



LHA(R) Flight 0 Inboard Profile
Changes from LHD 1 Class Arrangements



MAG: Magazine
MMR: Main Machinery Room
AMR: Auxiliary Machinery Room

WARFIGHTING COMPARISON
LHD 1 Class vs. LHA(R) FLIGHT 0

Element FLT 0	LHD 1 Class	LHA(R)
• Aviation: JSF	19	23
• Hangar Size (area)	1	~1.42
• Aviation Maintenance (MV-22)	Limited	Full
• Cargo (K cubic ft)	125	160
• Vehicle (K sq ft)	20.9	11.6
• Troops	1686	1686
• Well Deck (LCAC)	3	0
• JP-5 (K gallons)	617	1300
• Speed	22 knots	~22 knots
• Service Life Allowance		
Displacement:	2.5%	5.0%
KG:	+ 0.5 ft	+1.0 ft
• Survivability (armor)	Limited	Additional

LCAC / ASSAULT ECHELON REPLACEMENT